

Abstract

The invention relates to a plug-in connection for galvanically separating microwave signals in coaxial lines, so as to comply with the requirements made on an explosion-proof separation. The plug-in connection comprises a plug and a socket having inner and outer conductors both connected with the coaxial line, and which are also constituted by an inner and an outer conductor. Within the plug-in connection, a dielectric material is provided so as to guarantee a galvanic separation of the outer conductor of the socket with respect to the outer conductor of the plug. In another embodiment, also a galvanic separation of the inner conductor is realized apart from the galvanic separation of the inner conductor.